



Technical Information Sheet
3M™ Gamma Stable Medical Fastener

#7331, Gamma Stable Loop Fastener with Adhesive

Effective Date: November 2010

Supersedes all previous information sheets

Product Description:

3M #7331 is a gamma-stable nylon loop fastener laminated to a high tack, synthetic rubber-based adhesive designed for medical construction and stick-to-skin applications. The fastener tape is currently supplied on a two-side siliconized, paper release liner with basis weight of 54 pounds.

Features and Benefits:

- Aggressive Adhesion to Films & Nonwovens
- Medical Device Construction & Closures
- Approved for Stick-to-skin Applications
- EtO & Gamma Sterilization Compatible
- Thin and Conformable
- No Natural Rubber Latex
- Designed for Disposables
- For use with #7332 or #7333 Hook

Composition:

Tape Thickness, no liner	14 mils (0.36 mm) typical
Loop Closure	Nylon knitted loop laminated to a clear polyethylene film base
Adhesive, Double-coated Tape	Synthetic rubber system, 3M Proprietary, designed for medical use
Internal Adhesive Carrier	1 mil (0.025 mm) Polyethylene
Release Liner	3.2 mil (0.08 mm) 54 lb. Bleached Kraft Paper, 2-side silicone-coated

Typical Properties¹:

Dynamic Shear Closure, Average²	210 oz/0.5 inch ² (5.9 kg/3.2 cm ²)
135 Degree Closure Peel, Aver.²	~8 oz/inch width (~230 grams/25 mm width)
Adhesion to LDPE, 180 Degree Peel	36 oz/inch width (1.0 kg/25 mm width)
Liner Release, Maximum	40 gm/inch width (40 gm/25 mm width)

Roll Dimensions:

Roll Width, Minimum	0.5 inches (~12.5 mm)
Maximum	28 inches (71 cm)
Roll Length, Maximum	150 yds (137 m)

¹ Properties listed based on limited data and subject to change.

² Tested using 3M #7332 Gamma-stable Hook without adhesive.

Storage Conditions:

This product as supplied in original packaging, will maintain stated test properties for a period of two years when stored at temperatures between 50-80°F (10-27°C) and a relative humidity between 40-60 percent.

Please see reverse side for important product, safety and warranty information.

Product and Safety Information: User is solely responsible for determining the suitability of 3M samples and products for the intended use including any necessary safety or toxicity assessment. 3M will provide Material Safety Data Sheets and results of toxicity testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

Notice: Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendations to practice any invention covered by any patent, without authority from the owners of this patent.

Warranty Information

All statements, technical information and recommendations herein are based on tests 3M believes to be reliable, but the accuracy or completeness thereof is not guaranteed. 3M warrants only that products will meet 3M's specifications at the time of shipment to the customer. 3M does not offer any other warranty and does not warrant the performance, safety or such other characteristics of Products in combination with other materials. 3M specifically DOES NOT warrant Products for any intended or unintended uses (whether or not foreseeable); for compatibility or suitability with other components or compatibility with any methods of manufacture or conversion. The foregoing warranty is made in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability, fitness for a particular purpose and freedom from non-infringement.

Limitation of Remedies: If products are proven not to meet 3M's specifications, the sole and exclusive remedy available and 3M's only obligation shall be, at 3M's option, to replace such quantity of Products which are proven out of specification or to refund the purchase price paid for Products.

Limitations of Liabilities: The remedies provided herein are exclusive remedies against 3M for any alleged or actual nonconformance to specifications or defect or other failure in products or for 3M's performance of its supply obligations. Under no circumstances is 3M liable for any direct, indirect, incidental, special or consequential damages (including lost profits) in any way related to the product under any theory of law including, but not limited to, negligence and strict liability.

Ordering Information

Call us at Customer Service to place an order: 800-742-1994 (U.S.). Visit our website: www.3M.com/medicalspecialties for product and services information, news about conferences we will be attending, new product highlights or to make a direct inquiry.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at 3M HELPLINE 800-228-3957 (U.S.) or for international inquiries, please contact your local country representative. Our 3M Medical Specialties subsidiary contacts are listed below.

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